

Date: Tuesday, 1/9/2007 4:06:46 PM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : SADDLE FITTING, AFT (OUTBOARD/INBOARD)
Job Number : 30215	
Estimate Number : 10534	
P.O. Number : <i>N/A</i>	Part Number : D2574
This Issue : 1/9/2007 S.O. No. : <i>N/A</i>	Drawing Number : D2574 REV E
Prsht Rev. : NC	Project Number : N/A
First Issue : <i>N/A</i> Type : MACHINED PARTS	Drawing Revision : E
Previous Run : 30097	Material : <i>N/A</i>
Written By : <i>[Signature]</i>	Due Date : 1/30/2007 Qty: 12 Um: Each
Checked & Approved By : <i>[Signature]</i> 02.01.09	
Comment : Est Rev: I As Per RevE 06-01-27 JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6101005	7075-T7351 8.25X5.0X2.5
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 12.0000 Each(s)

7075-T7351 8.25X5.0X2.5

Make from D6101-005 billet for D2574

Ensure that grain is along 5.00" length

Batch No: *325351**x12**Ep 07/01/04 / J.F.*

2.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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**Comment:** HAAS CNC VERTICAL MACHINING #1Program Batch No. *330215* Double check by: *J.F.*

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

Ep / J.F. 07/01/18

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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**Comment:** CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

J.F. 07/01/18

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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**Comment:** INSPECT PARTS AS THEY COME OFF MACHINE*Ep / J.F. 07/01/18*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: PA Date: 07/01/25
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 1/9/2007 4:06:47 PM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Job Number: 30215

Part Number: D2574

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

mk 07/01/22 12

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

JS/

07/01/22 12

7.0

POWDER COATING

POWDER COATING



M1103141



12X

Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

mk 07/01/24

07/01/24

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

07/01/24

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: 344

07/01/24 (12)

07/01/24

10.0

QC21

FINAL INSPECTION/W/O RELEASE



12

Comment: FINAL INSPECTION/W/O RELEASE

07/01/25

Job Completion



07-01-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	30215
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.438	0.443	DT8682	0.440	0.439	0.440	0.439		
B	1.745	1.755		1.752	1.752	1.753	1.752		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.752	1.752	1.753	1.752		
E	7.990	8.010		7.999	8.004	8.000	8.004		
F	0.490	0.510		0.493	0.493	0.491	0.493		
G	0.257	0.262	DT8683	0.258	0.260	0.258	0.258		
H	0.375	0.380	DT8684	0.376	0.376	0.376	0.376		
I	0.490	0.510		0.500	0.500	0.498	0.500		
J	1.174	1.184		1.181	1.181	1.180	1.180		
K	0.558	0.578		0.572	0.572	0.572	0.572		
L	1.174	1.184		1.181	1.181	1.181	1.180		
M	1.365	1.375		1.373	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.500		
O	4.119	4.129		4.126	4.126	4.126	4.125		
P	0.115	0.135		0.126	0.126	0.125	0.124		
Q	0.115	0.135		0.135	0.135	0.135	0.132		
R	0.240	0.260		0.254	0.254	0.254	0.256		
S	0.115	0.135		0.124	0.124	0.124	0.125		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.233	3.233	3.233	3.232		
V	0.230	0.250		0.242	0.242	0.242	0.250		
W	0.115	0.135		0.125	0.128	0.125	0.125		
X	0.307	0.312		0.310	0.310	0.312	0.310		
Y	0.760	0.765		0.760	0.760	0.763	0.760		
Z	0.352	0.372		0.363	0.363	0.367	0.363		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.628	0.625	0.629	0.628		
AC	0.053	0.073		0.063	0.063	0.063	0.060		
AD	0.240	0.260		0.252	0.252	0.251	0.252		
AE	1.500	1.520		1.512	1.510	1.510	1.506		
AF	0.115	0.135		0.135	0.135	0.125	0.125		
AG	0.240	0.280		0.253	0.253	0.253	0.253		
AH	0.240	0.260		0.252	0.252	0.255	0.251		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.025	0.025	0.025	0.025		
Accept/Reject									

Measured by:	J.F. 158
Date:	07/01/18

Audited by:	CMR
Date:	07/01/22

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	30215
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.438	0.443	DT8682	0.440"	0.440"	0.440"	0.440"		
B	1.745	1.755		1.751"	1.751"	1.751"	1.751"		
C	3.495	3.505		3.500"	3.500"	3.500"	3.500"		
D	1.745	1.755		1.751"	1.751"	1.751"	1.751"		
E	7.990	8.010		8.001"	8.002"	8.002"	8.000"		
F	0.490	0.510		.498"	.494"	.496"	.496"		
G	0.257	0.262	DT8683	0.260"	0.260"	0.260"	0.260"		
H	0.375	0.380	DT8684	0.376"	0.376"	0.376"	0.376"		
I	0.490	0.510		.499"	.500"	.499"	.501"		
J	1.174	1.184		1.181"	1.181"	1.181"	1.181"		
K	0.558	0.578		.568"	.567"	.568"	.570"		
L	1.174	1.184		1.181"	1.181"	1.181"	1.181"		
M	1.365	1.375		1.372"	1.372"	1.372"	1.372"		
N	2.495	2.505		2.500"	2.500"	2.500"	2.500"		
O	4.119	4.129		4.124"	4.124"	4.124"	4.124"		
P	0.115	0.135		.124"	.125"	.126"	.127"		
Q	0.115	0.135		.135"	.135"	.135"	.135"		
R	0.240	0.260		.253"	.254"	.256"	.256"		
S	0.115	0.135		.123"	.123"	.127"	.123"		
T	0.178	0.198		.188"	.188"	.188"	.188"		
U	3.210	3.250		3.233"	3.233"	3.233"	3.233"		
V	0.230	0.250		.237"	.239"	.237"	.237"		
W	0.115	0.135		.131"	.131"	.130"	.122"		
X	0.307	0.312		.312"	.312"	.312"	.312"		
Y	0.760	0.765		.762"	.763"	.763"	.763"		
Z	0.352	0.372		.365"	.370"	.370"	.370"		
AA	0.470	0.530		.500"	.500"	.500"	.500"		
AB	0.615	0.635		.627"	.627"	.626"	.627"		
AC	0.053	0.073		.063"	.063"	.063"	.063"		
AD	0.240	0.260		.249"	.254"	.251"	.249"		
AE	1.500	1.520		1.504"	1.512"	1.512"	1.512"		
AF	0.115	0.135		.135"	.135"	.135"	.135"		
AG	0.240	0.280		.255"	.256"	.265"	.265"		
AH	0.240	0.260		.251"	.256"	.251"	.252"		
AI	2.000	2.020		2.004"	2.004"	2.004"	2.004"		
AJ	0.023	0.043		.025"	.025"	.025"	.025"		
Accept/Reject									

Measured by:	J.F.
Date:	07/01/19

Audited by:	JML
Date:	07/01/22

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

DART AEROSPACE LTD	Work Order:	30215
Description: Saddle, Aft Inboard	Part Number:	D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.438	0.443	DT8682	.439	.438	.438	.438		
B	1.745	1.755		1.750	1.751	1.751	1.751		
C	3.495	3.505		3.500	3.501	3.501	3.501		
D	1.745	1.755		1.751	1.750	1.750	1.750		
E	7.990	8.010		8.003	8.002	8.002	8.002		
F	0.490	0.510		.496	.496	.497	.497		
G	0.257	0.262	DT8683	.254	.258	.258	.258		
H	0.375	0.380	DT8684	.376	.376	.376	.377		
I	0.490	0.510		.505	.505	.505	.506		
J	1.174	1.184		1.179	1.179	1.180	1.181		
K	0.558	0.578		.570	.570	.570	.570		
L	1.174	1.184		1.179	1.179	1.179	1.180		
M	1.365	1.375		1.370	1.370	1.370	1.370		
N	2.495	2.505		2.500	2.500	2.500	2.501		
O	4.119	4.129		4.122	4.122	4.122	4.123		
P	0.115	0.135		.126	.126	.126	.126		
Q	0.115	0.135		.126	.126	.126	.125		
R	0.240	0.260		.253	.253	.252	.253		
S	0.115	0.135		.126	.120	.121	.125		
T	0.178	0.198		.188	.188	.188	.189		
U	3.210	3.250		3.228	3.228	3.228	3.228		
V	0.230	0.250		.250	.250	.250	.250		
W	0.115	0.135		.120	.120	.120	.121		
X	0.307	0.312		.310	.310	.311	.312		
Y	0.760	0.765		.760	.760	.762	.762		
Z	0.352	0.372		.362	.363	.363	.363		
AA	0.470	0.530		.500	.500	.500	.506		
AB	0.615	0.635		.625	.625	.617	.617		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.250	.255	.255	.255		
AE	1.500	1.520		1.512	1.512	1.511	1.512		
AF	0.115	0.135		.120	.125	.125	.120		
AG	0.240	0.280		.250	.255	.255	.255		
AH	0.240	0.260		.250	.255	.255	.255		
AI	2.000	2.020		2.002	2.002	2.002	2.002		
AJ	0.023	0.043		.031	.037	.037	.037		
Accept/Reject									

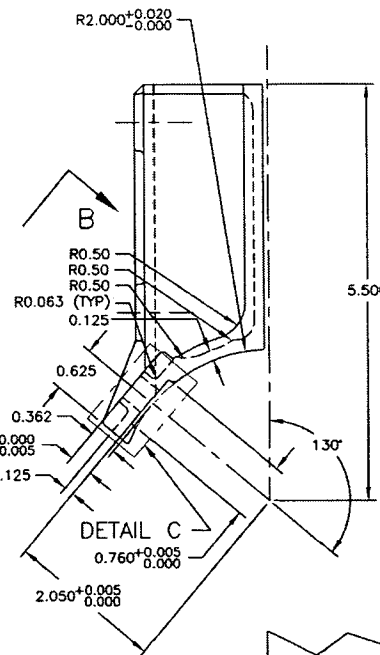
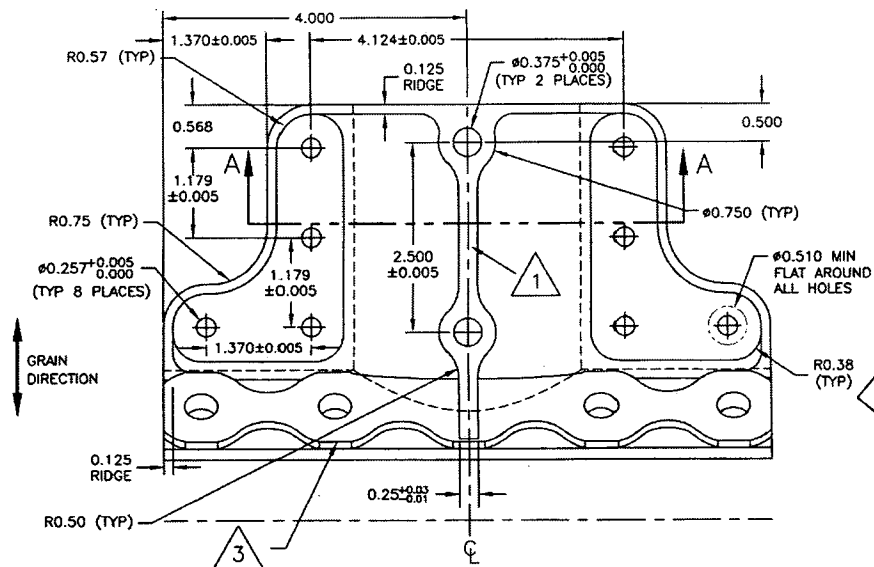
Measured by:	J.F. / J.F.
Date:	07/01/21

Audited by:	J.M.
Date:	07/01/22

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

RELEASED

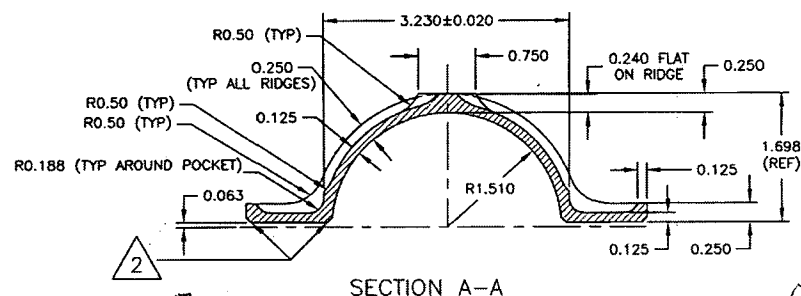
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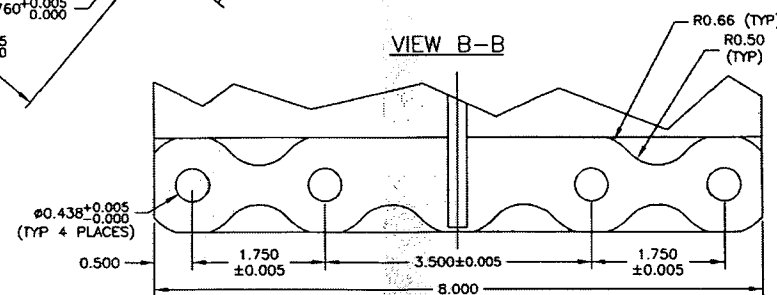
NOTES

MATERIAL: 7075-T7351 (QQ-A-250/12)
 (REF DART SPEC. D6102-003)
 FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
 POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER
 DART QSI 005 4.3
 BREAK ALL SHARP EDGES 0.010 TO 0.020
 TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

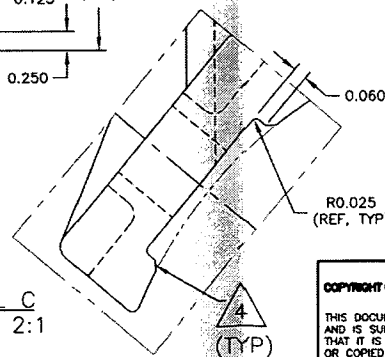
- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
 2 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
 3 CHAMFER 0.063 x 45° ALL AROUND
 4 CHAMFER 0.033 x 45° (SEE DETAIL C) E



SECTION A-A



VIEW B-B

DETAIL C
SCALE 2:1

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E	05.07.13	ADD CHAMFER ON RIDGE NOTE 4
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN	DS	DRAWN BY PH
CHECKED	#	APPROVED #
DATE	05.07.13	DRAWING NO. D2574
		TITLE INNER AFT SADDLE
		REV. E SHEET 1 OF 1 SCALE 2:3

DART

DART AEROSPACE LTD.
WILKESBORO, ONTARIO, CANADA

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 NO. 30215

